

Dr. Duke's Phytochemical and Ethnobotanical Database

List of Plants for CAMPHENENE

| Plant | Part | Low PPM | High PPM | StdDev | Reference |
|-------------------------------|-----------------------|---------|----------|-----------------------|--|
| <i>Abies alba</i> | Leaf | 528 | 738 | 0.08626138487834419 | -- |
| <i>Abies balsamea</i> | Plant | 440 | 950 | 1.0192270400228702 | -- |
| <i>Abies sachalinensis</i> | Branches | 4160 | 4680 | | -- |
| <i>Abies spectabilis</i> | Leaf | 175 | 465 | -0.016929013209351848 | -- |
| <i>Achillea millefolium</i> | Leaf | 2 | 600 | 0.03409920562522311 | -- |
| <i>Acinos alpinus</i> | Shoot | 0.5 | 0.5 | -0.13423018852172086 | Velasco-Negueruela,A., Perez-Alonso,M.J., Jiminez,S.M. and Garcia,F.M. 1993. The Volatile Constituents of <i>Acinus alpinus</i> (L.) Moench ssp. <i>meridionalis</i> (Nyman). P.W. Ball Growing in Spain. Flav. & Frag. J. 8:127-130.) |
| <i>Acinos alpinus</i> | Shoot | -- | 0.5 | -0.13423018852172086 | Velasco-Negueruela,A., Perez-Alonso,M.J., Jiminez,S.M. and Garcia,F.M. 1993. The Volatile Constituents of <i>Acinus alpinus</i> (L.) Moench ssp. <i>meridionalis</i> (Nyman). P.W. Ball Growing in Spain. Flav. & Frag. J. 8:127-130.) |
| <i>Acinos suaveolens</i> | Shoot | 900 | 900 | -0.05123938711110241 | Jim Duke's personal files. |
| <i>Acorus calamus</i> | Rhizome | 10 | 460 | -1 | -- |
| <i>Aesculus hippocastanum</i> | Flower Essent. Oil | -- | 83000 | | Jim Duke's personal files. |
| <i>Agastache foeniculum</i> | Plant | 1 | 35 | -0.5459540576133597 | -- |
| <i>Agastache nepetoides</i> | Plant | 1 | 1 | -0.6041137923889136 | Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980. |
| <i>Agathosma betulina</i> | Leaf | -- | -- | | List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979. |

| Plant | Part | Low PPM | High PPM | StdDev | Reference |
|------------------------------|------------------|---------|----------|---------------------|--|
| <i>Agathosma betulina</i> | Leaf Essent. Oil | -- | -- | | -- |
| <i>Ageratum conyzoides</i> | Plant | 5 | 38 | -0.5408223163096343 | -- |
| <i>Ageratum conyzoides</i> | Shoot | -- | 3060 | 0.14804925218510195 | R. Vera, (1993); Chemical composition of the essential oil <i>Ageratum conyzoides</i> L. (Asteraceae) from Reunion, Flavour Fragr. J., Vol.8, 257-260. |
| <i>Aloysia citrodora</i> | Plant | -- | -- | | Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980. |
| <i>Alpinia galanga</i> | Rhizome | -- | -- | | -- |
| <i>Alpinia officinarum</i> | Rhizome | -- | -- | | Wealth of India. |
| <i>Amomum xanthioides</i> | Seed | -- | -- | | -- |
| <i>Anethum graveolens</i> | Plant | -- | -- | | Rizk, A.F.M., The Phytochemistry of the Flora of Qatar, Scientific and Applied Research Centre, University of Qatar, Kingprint, Richmond, UK, 1986. |
| <i>Angelica archangelica</i> | Root | 2 | 130 | 1.4108316199577506 | -- |
| <i>Angelica archangelica</i> | Root Essent. Oil | -- | -- | | -- |
| <i>Angelica archangelica</i> | Fruit | -- | -- | | -- |
| <i>Aniba rosaeodora</i> | Essential Oil | -- | -- | | -- |
| <i>Apium graveolens</i> | Leaf Essent. Oil | -- | 1000 | -0.8415153554301138 | -- |
| <i>Apium graveolens</i> | Seed Essent. Oil | -- | -- | | -- |

| Plant | Part | Low PPM | High PPM | StdDev | Reference |
|-------------------------------|-------------------|---------|----------|--------------------|--|
| <i>Apium graveolens</i> | Seed | -- | -- | | Charalambous, G. (Ed.). 1994. Spices, Herbs and Edible Fungi. Elsevier Science B. V. Amsterdam. 764 pp. |
| <i>Aralia cordata</i> | Stem | 3 | 3 | | -- |
| <i>Artemisia absinthium</i> | Plant | -- | -- | | -- |
| <i>Artemisia annua</i> | Plant | 12 | 920 | 0.9679096269856168 | -- |
| <i>Artemisia capillaris</i> | Essential Oil | -- | -- | | -- |
| <i>Artemisia dracunculus</i> | Leaf | -- | -- | | -- |
| <i>Artemisia dracunculus</i> | Leaf Essent. Oil | -- | -- | | -- |
| <i>Artemisia dracunculus</i> | Essential Oil | -- | -- | | -- |
| <i>Artemisia salsolooides</i> | Shoot | 24500 | 24500 | 2.126173523717797 | V. Kaul, P. Weyerstahl, H. Wahlberg, H. Marschall, (1992); Volatile constituents of the essential oil and the absolute of <i>Artemisia salsolooides</i> Willd. from Ladakh, Flavour and Fragrance journal, Vol.7, 299-305. |
| <i>Barosma betulina</i> | Leaf | -- | -- | | -- |
| <i>Boswellia sacra</i> | Resin Essent. Oil | -- | 0.7 | | Abdel Wahab, S. M., Aboutabl, E. A., El-Zalabani, S. M., Fouad, H. A., De Pooter, H. L., El-Fallaha, B. 1987. The Essential Oil of Olibanum. Plant Med. 53 (4): 382-384. |
| <i>Boswellia serrata</i> | Essential Oil | -- | -- | | -- |
| <i>Calamintha nepeta</i> | Leaf | -- | -- | | Akgul, A., De Pooter, H.L., and De Buyck, L.F. 1991. The Essential Oils of <i>Calamintha nepeta</i> subsp. <i>glandulosa</i> and <i>Ziziphora clinopodioides</i> from Turkey. J. Ess. Oil Res., 3: 7-10. |

| Plant | Part | Low PPM | High PPM | StdDev | Reference |
|--------------------------------|------------------------|---------|----------|----------------------|---|
| <i>Calamintha nepeta</i> | Shoot | 1 | 1 | -0.13418405689225413 | Kirimer, N., Baser, K.H.C., Ozek, T. and Kurkcuoglu, M. 1992. Composition of the Essential Oil of <i>Calamintha nepeta</i> subsp. <i>glandulosa</i> . <i>J. Ess. Oil Res.</i> 4:189-190 |
| <i>Callicarpa americana</i> | Leaf | -- | 0.55 | -0.19248498534059874 | -- |
| <i>Cannabis sativa</i> | Resin, Exudate, Sap | -- | -- | | -- |
| <i>Cannabis sativa</i> | Flower Essent. Oil | -- | -- | | -- |
| <i>Cannabis sativa</i> | Leaf Essent. Oil | -- | -- | | -- |
| <i>Cannabis sativa</i> | Essential Oil | -- | -- | | -- |
| <i>Cannabis sativa</i> | Plant | -- | -- | | -- |
| <i>Capsicum annuum</i> | Fruit | -- | -- | | -- |
| <i>Carum carvi</i> | Fruit | 1 | 900 | 0.021412618138643334 | -- |
| <i>Carum carvi</i> | Plant | 30 | 30 | -0.5545069597862352 | Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980. |
| <i>Carum carvi</i> | Seed | 1 | 900 | 1.5222256000900138 | Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980. |
| <i>Centella asiatica</i> | Shoot | -- | -- | | Jim Duke's personal files. |
| <i>Chamaemelum nobile</i> | Plant | -- | -- | | -- |
| <i>Chrysanthemum balsamita</i> | Plant | -- | -- | | -- |

| Plant | Part | Low PPM | High PPM | StdDev | Reference |
|----------------------------|------------------|---------|----------|----------------------|---|
| Chrysanthemum parthenium | Shoot | -- | 95 | -0.1255113105525119 | Hendriks, H., Bos, R., and Woerdenbag, H. J. 1996. The Essential Oil of <i>Tanacetum parthenium</i> (L.) Schultz-Bip. Flavor and Fragrance Journal 11(6): 367-71. |
| Chrysanthemum x morifolium | Plant | 8 | 30 | -0.5545069597862352 | Wealth of India. |
| Cinnamomum aromaticum | Plant | -- | -- | | -- |
| Cinnamomum camphora | Plant | -- | -- | | -- |
| Cinnamomum camphora | Leaf | -- | 5 | -0.19080294405308876 | -- |
| Cinnamomum verum | Bark | 18 | 72 | | Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980. |
| Cinnamomum verum | Leaf | 20 | 40 | -0.17757340583671746 | -- |
| Cinnamomum verum | Root Bark | -- | -- | | -- |
| Cinnamomum verum | Leaf Essent. Oil | -- | -- | | -- |
| Cinnamomum verum | Bark Essent. Oil | -- | 0 | | -- |
| Cinnamomum verum | Stem Bark | -- | -- | | -- |
| Cistus ladaniferus | Leaf | 11 | 770 | 0.09835696267616935 | -- |
| Citrus aurantiifolia | Fruit | 50 | 80 | -0.3186300658171268 | Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980. |
| Citrus aurantium | Plant | -- | -- | | -- |
| Citrus aurantium | Leaf | -- | -- | | List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979. |

| Plant | Part | Low PPM | High PPM | StdDev | Reference |
|--------------------|------------------|---------|----------|----------------------|---|
| Citrus limon | Essential Oil | 2 | 50 | -0.6924881415674572 | Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980. |
| Citrus limon | Leaf Essent. Oil | -- | -- | | Jim Duke's personal files. |
| Citrus limon | Petiole | -- | 3 | | -- |
| Citrus paradisi | Pericarp | -- | -- | | -- |
| Citrus reticulata | Fruit | 1 | 40 | -0.3352175138149692 | Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980. |
| Citrus sinensis | Fruit | -- | 0.1 | -0.35176349319281713 | -- |
| Cleonia lusitanica | Leaf | 1 | 5 | -0.19080294405308876 | Perez-Alonso, M., Velasco-Negueruela, A., and Lopez-Saez, A. 1991. The Essential Oil of Cleonia lusitanica. J. Ess. Oil Res., 3: 441-442. |
| Coleus barbatus | Root Essent. Oil | -- | 64000 | -1 | Jim Duke's personal files. |
| Coleus barbatus | Leaf Essent. Oil | -- | 11200 | -0.47873189704519575 | Jim Duke's personal files. |
| Coleus barbatus | Stem Essent. Oil | -- | 11200 | | Jim Duke's personal files. |
| Coriandrum sativum | Fruit | 2 | 155 | -0.2875286008211722 | Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980. |
| Coriandrum sativum | Essential Oil | -- | -- | | -- |
| Coriandrum sativum | Seed Essent. Oil | 2100 | 7600 | 1.2973683379921246 | -- |

| Plant | Part | Low PPM | High PPM | StdDev | Reference |
|---------------------------------|------------------|---------|----------|----------------------|---|
| <i>Coridotherymus capitatus</i> | Shoot | 22 | 22 | -0.13224652845465215 | Lagouri, V., Blekas, G., Tsimidou, M., Kokkini, S., and Boskou, D. 1993. Composition and Antioxidant Activity of Essential Oils from Oregano Plants Grown Wild in Greece. <i>Z. Lebensm Unters Forsch</i> 197: 20-23. |
| <i>Croton eluteria</i> | Bark | -- | -- | | -- |
| <i>Croton lechleri</i> | Plant | -- | -- | | Taylor, Leslie. 2005. <i>The Healing Power of Rainforest Herbs</i> . SquareOne Publisher, Garden City Park, NY. 519 pp. |
| <i>Cuminum cyminum</i> | Seed Essent. Oil | -- | 400 | -1.4910054033640832 | -- |
| <i>Curcuma longa</i> | Tuber | -- | -- | | -- |
| <i>Curcuma longa</i> | Rhizome | -- | -- | | -- |
| <i>Cymbopogon nardus</i> | Plant | 150 | 960 | 1.0363328443686213 | List, P.H. and Horhammer, L., <i>Hager's Handbuch der Pharmazeutischen Praxis</i> , Vols. 2-6, Springer-Verlag, Berlin, 1969-1979. |
| <i>Cyperus rotundus</i> | Root | -- | -- | | -- |
| <i>Daucus carota</i> | Seed | 1 | 70 | -1.3481581516889602 | -- |
| <i>Dictamnus albus</i> | Shoot | 0.7 | 0.7 | -0.1342117358699341 | Baser, K.H.C., Kosar, M.Malyer, H. & Ozek, T. 1994. The Essential Oil Composition of <i>Dictamnus albus</i> from Turkey. <i>Planta Med.</i> 60:481-2 |
| <i>Dictamnus albus</i> | Shoot | -- | 1 | -0.13418405689225413 | Baser, K.H.C., Kosar, M.Malyer, H. & Ozek, T. 1994. The Essential Oil Composition of <i>Dictamnus albus</i> from Turkey. <i>Planta Med.</i> 60:481-2 |
| <i>Dictamnus albus</i> | Shoot | -- | 0.7 | -0.1342117358699341 | Baser, K.H.C., Kosar, M.Malyer, H. & Ozek, T. 1994. The Essential Oil Composition of <i>Dictamnus albus</i> from Turkey. <i>Planta Med.</i> 60:481-2 |
| <i>Elettaria cardamomum</i> | Fruit | 10 | 30 | -0.33936437581442985 | Leung, A. Y. and Foster, S. 1995. <i>Encyclopedia of Common Natural Ingredients</i> 2nd Ed. John Wiley & Sons, New York. 649 pp. |
| <i>Elettaria cardamomum</i> | Seed Essent. Oil | -- | -- | | -- |

| Plant | Part | Low PPM | High PPM | StdDev | Reference |
|------------------------|-------|---------|----------|----------------------|---|
| Elsholtzia blanda | Shoot | 0.4 | 0.4 | -0.13423941484761423 | Bestman, H.J., Rauscher, J., Vostrowsky O., Pant, A.K., Dev. V., Perihar, R. and Mathela, C.S. 1992. Constituents of the Essential Oil of Elsholtzia blanda Benth. (Labiatae). J. Ess. Oils Res. 4: 121-124 |
| Elsholtzia cristata | Shoot | 0.1 | 0.1 | -0.1342670938252942 | Kobold, U., Vostrowsky, O., Bestmann, H.J., Bisht, J.C., Pant, A.K., Melkani, A.B. and Mathela, C.S. 1987. Terpenoids from Elsholtzia Species; II. Constituents of Essential Oil from a New Chemotype of Elsholtzia cristata. Planta Medica 1987: 268-271. |
| Elsholtzia pilosa | Shoot | 0.1 | 0.1 | -0.1342670938252942 | -- |
| Elsholtzia polystachya | Leaf | 0 | 0 | -0.19269287808399893 | Mathela,C.S., Melkani,A.B., Bisht,J.C., Pant,A.K., Bestmann,H.J., Erler,J., Kobold,U., Rauscher,J. and Vostrowsky,O. 1992. Chemical Varieties of Essential Oils from Elsholtzia polystachya from Two Different Locations in India. Planta Medica 58: 376-379. |
| Elsholtzia polystachya | Leaf | -- | 0 | -0.19269287808399893 | Mathela,C.S., Melkani,A.B., Bisht,J.C., Pant,A.K., Bestmann,H.J., Erler,J., Kobold,U., Rauscher,J. and Vostrowsky,O. 1992. Chemical Varieties of Essential Oils from Elsholtzia polystachya from Two Different Locations in India. Planta Medica 58: 376-379. |
| Eucalyptus albens | Shoot | -- | 9 | -0.13344595082078672 | Zrira, S. S., Benjilali, B. B., Fechtal, M. M., & Richard, H. H. 1991. Essential Oils of Twenty-seven Eucalyptus Species Grown in Morocco. Journal of Essential Oil Res. 4: 259-264. |
| Eucalyptus astringens | Shoot | -- | 0.1 | -0.1342670938252942 | Zrira, S. S., Benjilali, B. B., Fechtal, M. M., & Richard, H. H. 1991. Essential Oils of Twenty-seven Eucalyptus Species Grown in Morocco. Journal of Essential Oil Res. 4: 259-264. |
| Eucalyptus blakelyi | Shoot | -- | 3055 | 0.1475879358904348 | Zrira, S. S., Benjilali, B. B., Fechtal, M. M., & Richard, H. H. 1991. Essential Oils of Twenty-seven Eucalyptus Species Grown in Morocco. Journal of Essential Oil Res. 4: 259-264. |
| Eucalyptus bosistoana | Shoot | -- | 30 | -0.13150842238318472 | Zrira, S. S., Benjilali, B. B., Fechtal, M. M., & Richard, H. H. 1991. Essential Oils of Twenty-seven Eucalyptus Species Grown in Morocco. Journal of Essential Oil Res. 4: 259-264. |

| Plant | Part | Low PPM | High PPM | StdDev | Reference |
|--------------------------|------------------|---------|----------|----------------------|--|
| Eucalyptus botryoides | Shoot | -- | 35 | -0.13104710608851758 | Zrira, S. S., Benjilali, B. B., Fechtal, M. M., & Richard, H. H. 1991. Essential Oils of Twenty-seven Eucalyptus Species Grown in Morocco. Journal of Essential Oil Res. 4: 259-264. |
| Eucalyptus brassiana | Leaf | -- | 6 | -0.1904249572469067 | Singh, A. K., Gupta, K. C., & Brophy, J. J. 1991. Chemical Constituents of the Leaf Essential Oil of Eucalyptus brassiana S. T. Blake. Journal of Essential Oil Res. 3: 45-7. |
| Eucalyptus camaldulensis | Shoot | -- | 0.1 | -0.1342670938252942 | Zrira, S. S., Benjilali, B. B., Fechtal, M. M., & Richard, H. H. 1991. Essential Oils of Twenty-seven Eucalyptus Species Grown in Morocco. Journal of Essential Oil Res. 4: 259-264. |
| Eucalyptus citriodora | Leaf | 1 | 20 | -0.18513314196035818 | Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980. |
| Eucalyptus citriodora | Shoot | -- | 0.1 | -0.1342670938252942 | Zrira, S. S., Benjilali, B. B., Fechtal, M. M., & Richard, H. H. 1991. Essential Oils of Twenty-seven Eucalyptus Species Grown in Morocco. Journal of Essential Oil Res. 4: 259-264. |
| Eucalyptus citriodora | Leaf Essent. Oil | -- | -- | | -- |
| Eucalyptus cladocalyx | Shoot | -- | 10 | -0.13335368756185328 | Zrira, S. S., Benjilali, B. B., Fechtal, M. M., & Richard, H. H. 1991. Essential Oils of Twenty-seven Eucalyptus Species Grown in Morocco. Journal of Essential Oil Res. 4: 259-264. |
| Eucalyptus dealbata | Shoot | -- | 0.1 | -0.1342670938252942 | Zrira, S. S., Benjilali, B. B., Fechtal, M. M., & Richard, H. H. 1991. Essential Oils of Twenty-seven Eucalyptus Species Grown in Morocco. Journal of Essential Oil Res. 4: 259-264. |
| Eucalyptus diversicolor | Shoot | -- | 25 | -0.13196973867785186 | Zrira, S. S., Benjilali, B. B., Fechtal, M. M., & Richard, H. H. 1991. Essential Oils of Twenty-seven Eucalyptus Species Grown in Morocco. Journal of Essential Oil Res. 4: 259-264. |
| Eucalyptus globulus | Leaf | -- | -- | | Leung, A.Y., Encyclopedia of Common Natural Ingredients Used in Food, Drugs, and Cosmetics, John Wiley & Sons, New York, 1980. |

| Plant | Part | Low PPM | High PPM | StdDev | Reference |
|-------------------------|-------------------|---------|----------|----------------------|--|
| Eucalyptus globulus | Shoot | -- | 0.1 | -0.1342670938252942 | Zrira, S. S., Benjilali, B. B., Fechtal, M. M., & Richard, H. H. 1991. Essential Oils of Twenty-seven Eucalyptus Species Grown in Morocco. Journal of Essential Oil Res. 4: 259-264. |
| Eucalyptus globulus | Fruit Essent. Oil | -- | -- | | -- |
| Eucalyptus globulus | Essential Oil | -- | 9000 | -0.4234452941431629 | -- |
| Eucalyptus globulus | Leaf Essent. Oil | 4000 | 5100 | -0.6956906319616664 | -- |
| Eucalyptus maculata | Shoot | -- | 0.1 | -0.1342670938252942 | Zrira, S. S., Benjilali, B. B., Fechtal, M. M., & Richard, H. H. 1991. Essential Oils of Twenty-seven Eucalyptus Species Grown in Morocco. Journal of Essential Oil Res. 4: 259-264. |
| Eucalyptus maidenii | Shoot | -- | 0.1 | -0.1342670938252942 | Zrira, S. S., Benjilali, B. B., Fechtal, M. M., & Richard, H. H. 1991. Essential Oils of Twenty-seven Eucalyptus Species Grown in Morocco. Journal of Essential Oil Res. 4: 259-264. |
| Eucalyptus melliodora | Shoot | -- | 35 | -0.13104710608851758 | Zrira, S. S., Benjilali, B. B., Fechtal, M. M., & Richard, H. H. 1991. Essential Oils of Twenty-seven Eucalyptus Species Grown in Morocco. Journal of Essential Oil Res. 4: 259-264. |
| Eucalyptus moluccana | Shoot | -- | 0.1 | -0.1342670938252942 | Zrira, S. S., Benjilali, B. B., Fechtal, M. M., & Richard, H. H. 1991. Essential Oils of Twenty-seven Eucalyptus Species Grown in Morocco. Journal of Essential Oil Res. 4: 259-264. |
| Eucalyptus nova-anglica | Leaf | 8 | 15 | -0.18702307599126838 | Brophy, J. L., Lassak, E. V., & Boland, D. J. 1992. The Leaf Essential Oils of Eucalyptus nova-anglica. Deane & Maiden. Journal of Essential Oil Res. 4: 29-32. |
| Eucalyptus occidentalis | Shoot | -- | 0.1 | -0.1342670938252942 | Zrira, S. S., Benjilali, B. B., Fechtal, M. M., & Richard, H. H. 1991. Essential Oils of Twenty-seven Eucalyptus Species Grown in Morocco. Journal of Essential Oil Res. 4: 259-264. |

| Plant | Part | Low PPM | High PPM | StdDev | Reference |
|--------------------------------|---------------|---------|----------|----------------------|--|
| <i>Eucalyptus oviformis</i> | Shoot | -- | 40 | -0.13058578979385044 | Zrira, S. S., Benjilali, B. B., Fechtal, M. M., & Richard, H. H. 1991. Essential Oils of Twenty-seven Eucalyptus Species Grown in Morocco. Journal of Essential Oil Res. 4: 259-264. |
| <i>Eucalyptus paniculata</i> | Shoot | -- | 10 | -0.13335368756185328 | Zrira, S. S., Benjilali, B. B., Fechtal, M. M., & Richard, H. H. 1991. Essential Oils of Twenty-seven Eucalyptus Species Grown in Morocco. Journal of Essential Oil Res. 4: 259-264. |
| <i>Eucalyptus polyanthemos</i> | Shoot | -- | 0.1 | -0.1342670938252942 | Zrira, S. S., Benjilali, B. B., Fechtal, M. M., & Richard, H. H. 1991. Essential Oils of Twenty-seven Eucalyptus Species Grown in Morocco. Journal of Essential Oil Res. 4: 259-264. |
| <i>Eucalyptus punctata</i> | Shoot | -- | 65 | -0.12827920832051476 | Zrira, S. S., Benjilali, B. B., Fechtal, M. M., & Richard, H. H. 1991. Essential Oils of Twenty-seven Eucalyptus Species Grown in Morocco. Journal of Essential Oil Res. 4: 259-264. |
| <i>Eucalyptus saligna</i> | Shoot | -- | 27 | -0.131785212159985 | Zrira, S. S., Benjilali, B. B., Fechtal, M. M., & Richard, H. H. 1991. Essential Oils of Twenty-seven Eucalyptus Species Grown in Morocco. Journal of Essential Oil Res. 4: 259-264. |
| <i>Eucalyptus siderophloia</i> | Shoot | -- | 11 | -0.13326142430291985 | Zrira, S. S., Benjilali, B. B., Fechtal, M. M., & Richard, H. H. 1991. Essential Oils of Twenty-seven Eucalyptus Species Grown in Morocco. Journal of Essential Oil Res. 4: 259-264. |
| <i>Eucalyptus sideroxylon</i> | Shoot | -- | 0.1 | -0.1342670938252942 | Zrira, S. S., Benjilali, B. B., Fechtal, M. M., & Richard, H. H. 1991. Essential Oils of Twenty-seven Eucalyptus Species Grown in Morocco. Journal of Essential Oil Res. 4: 259-264. |
| <i>Eucalyptus tereticornis</i> | Shoot | -- | 0.1 | -0.1342670938252942 | Zrira, S. S., Benjilali, B. B., Fechtal, M. M., & Richard, H. H. 1991. Essential Oils of Twenty-seven Eucalyptus Species Grown in Morocco. Journal of Essential Oil Res. 4: 259-264. |
| <i>Ferula gummosa</i> | Essential Oil | -- | -- | | -- |
| <i>Ferula jaeschkeana</i> | Fruit | 9500 | 9500 | 3.5877139376747698 | -- |
| <i>Foeniculum vulgare</i> | Fruit | 10 | 540 | -0.12787441384193868 | -- |

| Plant | Part | Low PPM | High PPM | StdDev | Reference |
|-----------------------------|-------------------|---------|----------|----------------------|--|
| <i>Foeniculum vulgare</i> | Seed | 10 | 540 | 0.27723987642684456 | Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980. |
| <i>Foeniculum vulgare</i> | Seed Essent. Oil | -- | -- | | Jim Duke's personal files. |
| <i>Glechoma hederacea</i> | Plant | 1 | 3 | -0.6006926315197634 | Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980. |
| <i>Gossypium</i> sp | Plant | -- | -- | | -- |
| <i>Hedeoma drummondii</i> | Plant | 0 | 900 | 0.9336980182941145 | Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980. |
| <i>Hedeoma hispida</i> | Plant | 66 | 66 | -0.4929260641415311 | Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980. |
| <i>Hedeoma reverchonii</i> | Plant | 460 | 460 | 0.18104262708106403 | Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980. |
| <i>Helianthus annuus</i> | Essential Oil | -- | -- | | -- |
| <i>Houttuynia cordata</i> | Plant | -- | -- | | List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979. |
| <i>Houttuynia cordata</i> | Essential Oil | -- | -- | | -- |
| <i>Houttuynia cordata</i> | Shoot Essent. Oil | -- | -- | | -- |
| <i>Hypericum perforatum</i> | Plant | 1 | 18 | -0.5750339250011366 | -- |
| <i>Hyptis suaveolens</i> | Shoot | 4 | 4 | -0.13390726711545384 | Mallavarapu, G.R., Ramesh, S., Kaul, P.N., Bhattacharya, A.K., and Rao, B.R.R. 1993. The Essential Oil of <i>Hyptis suaveolens</i> (L.) Poit. J. Ess. Oil Res. 5: 321. |

| Plant | Part | Low PPM | High PPM | StdDev | Reference |
|----------------------|-------|---------|----------|----------------------|---|
| Hyptis suaveolens | Shoot | -- | 4 | -0.13390726711545384 | Mallavarapu, G.R., Ramesh, S., Kaul, P.N., Bhattacharya, A.K., and Rao, B.R.R. 1993. The Essential Oil of <i>Hyptis suaveolens</i> (L.) Poit. J. Ess. Oil Res. 5: 321. |
| Hyssopus officinalis | Leaf | 6 | 80 | -0.162453933589436 | -- |
| Hyssopus officinalis | Shoot | -- | 115000 | 10.475998457193025 | -- |
| Hyssopus officinalis | Shoot | -- | 20 | -0.132431054972519 | Kerrola, K., Galambosi, B. and Kallio, H. 1994. Volatile Components and Odor Intensity of Four Phenotypes of Hyssop (<i>Hyssopus officinalis</i> L.) J. Agric. Food Chem. 42: 776-781. |
| Hyssopus officinalis | Shoot | -- | 20 | -0.132431054972519 | Kerrola, K., Galambosi, B. and Kallio, H. 1994. Volatile Components and Odor Intensity of Four Phenotypes of Hyssop (<i>Hyssopus officinalis</i> L.) J. Agric. Food Chem. 42: 776-781. |
| Hyssopus officinalis | Shoot | -- | 40 | -0.13058578979385044 | Kerrola, K., Galambosi, B. and Kallio, H. 1994. Volatile Components and Odor Intensity of Four Phenotypes of Hyssop (<i>Hyssopus officinalis</i> L.) J. Agric. Food Chem. 42: 776-781. |
| Hyssopus officinalis | Shoot | -- | 40 | -0.13058578979385044 | Kerrola, K., Galambosi, B. and Kallio, H. 1994. Volatile Components and Odor Intensity of Four Phenotypes of Hyssop (<i>Hyssopus officinalis</i> L.) J. Agric. Food Chem. 42: 776-781. |
| Hyssopus officinalis | Shoot | -- | 30 | -0.13150842238318472 | Kerrola, K., Galambosi, B. and Kallio, H. 1994. Volatile Components and Odor Intensity of Four Phenotypes of Hyssop (<i>Hyssopus officinalis</i> L.) J. Agric. Food Chem. 42: 776-781. |
| Hyssopus officinalis | Shoot | -- | 40 | -0.13058578979385044 | Kerrola, K., Galambosi, B. and Kallio, H. 1994. Volatile Components and Odor Intensity of Four Phenotypes of Hyssop (<i>Hyssopus officinalis</i> L.) J. Agric. Food Chem. 42: 776-781. |
| Hyssopus officinalis | Shoot | -- | 40 | -0.13058578979385044 | Kerrola, K., Galambosi, B. and Kallio, H. 1994. Volatile Components and Odor Intensity of Four Phenotypes of Hyssop (<i>Hyssopus officinalis</i> L.) J. Agric. Food Chem. 42: 776-781. |

| Plant | Part | Low PPM | High PPM | StdDev | Reference |
|----------------------|-------------------|---------|----------|---------------------|---|
| Hyssopus officinalis | Shoot | -- | 20 | -0.132431054972519 | Kerrola, K., Galambosi, B. and Kallio, H. 1994. Volatile Components and Odor Intensity of Four Phenotypes of Hyssop (<i>Hyssopus officinalis</i> L.) J. Agric. Food Chem. 42: 776-781. |
| Hyssopus officinalis | Shoot | 0.1 | 0.1 | -0.1342670938252942 | Tsankova, E.T., Konatchiev, A.N. and Genova, E.M. 1993. Chemical Composition of the Essential Oils of Two <i>Hyssopus officinalis</i> cultivars. J. Ess. Oil Res. 5: 609-611. |
| Hyssopus officinalis | Shoot | -- | -- | | Tsankova, E.T., Konatchiev, A.N. and Genova, E.M. 1993. Chemical Composition of the Essential Oils of Two <i>Hyssopus officinalis</i> cultivars. J. Ess. Oil Res. 5: 609-611. |
| Hyssopus officinalis | Essential Oil | -- | -- | | -- |
| Illicium verum | Fruit | 1 | 1 | -0.3513902756128656 | -- |
| Juniperus communis | Fruit | 1 | 100 | -0.3103363418182056 | -- |
| Juniperus communis | Fruit Essent. Oil | -- | -- | | -- |
| Juniperus communis | Essential Oil | -- | -- | | -- |
| Juniperus sabina | Plant | -- | -- | | -- |
| Kaempferia galanga | Plant | -- | -- | | -- |
| Kaempferia galanga | Rhizome | -- | -- | | -- |
| Lantana camara | Shoot | -- | 13 | -0.133076897785053 | -- |
| Larrea tridentata | Plant | -- | -- | | -- |
| Laurus nobilis | Leaf | 24 | 186 | -0.1223873321341401 | Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980. |

| Plant | Part | Low PPM | High PPM | StdDev | Reference |
|------------------------|------------------|---------|----------|----------------------|--|
| Laurus nobilis | Leaf Essent. Oil | -- | 7000 | -0.6281133210860443 | -- |
| Lavandula angustifolia | Plant | -- | -- | | Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980. |
| Lavandula latifolia | Plant | 25 | 231 | -0.21068029243663722 | Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980. |
| Lavandula x hybrida | Shoot | 55 | 85 | -0.1264339431418462 | Tucker, A.O., Maciarello, M.J., Angell, S., Espaillat, J.R., and French, E.C. 1993. The Essential Oil of Lavandula x hybrida Balb. ex Ging., a Distinct Hybrid from L. x heterophylla Poir. (Labiatae). J. Ess. Oil Res. 5: 443-445. |
| Lavandula x intermedia | Plant | 26 | 60 | -0.5031895467489819 | Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980. |
| Lepechinia calycina | Plant | 390 | 390 | 0.061301996660806 | Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980. |
| Lepechinia schiediana | Plant | 40 | 40 | -0.5374011554404841 | Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980. |
| Levisticum officinale | Root | 7 | 70 | -0.6207659127814102 | Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980. |
| Lindera benzoin | Fruit | 22 | 40 | -0.3352175138149692 | -- |
| Lindera benzoin | Leaf | -- | 2 | -0.19193690447163486 | -- |
| Lindera benzoin | Twig | 17 | 26 | | -- |
| Litsea glaucescens | Shoot | 2 | 4 | -0.13390726711545384 | Tucker, et al, EB46(1):21-24.1992 |
| Lycopus virginicus | Plant | 3 | 8 | -0.5921397293468877 | Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980. |

| Plant | Part | Low PPM | High PPM | StdDev | Reference |
|------------------------|---------------|---------|----------|----------------------|--|
| Magnolia denudata | Bark | -- | -- | | -- |
| Magnolia denudata | Bulb | -- | -- | | -- |
| Magnolia denudata | Flower | -- | -- | | -- |
| Magnolia denudata | Leaf | -- | -- | | -- |
| Magnolia denudata | Twig | -- | -- | | -- |
| Magnolia officinalis | Essential Oil | -- | -- | | -- |
| Marrubium vulgare | Plant | -- | -- | | -- |
| Marrubium vulgare | Essential Oil | -- | -- | | -- |
| Melaleuca alternifolia | Leaf | 0.001 | 0.001 | -0.19269250009719266 | -- |
| Mentha aquatica | Shoot | 0.1 | 0.1 | -0.1342670938252942 | Umemoto, K., Arai, T., Nii, H. and Furukawa, K. 1993. A New Chemotype of <i>Mentha aquatica</i> Containing Sesquiterpene Alcohols as Major Components. <i>Nippon Nogeikagaku Kaishi</i> 67(10): 1417-1419. |
| Mentha aquatica | Shoot | -- | -- | | Umemoto, K., Arai, T., Nii, H. and Furukawa, K. 1993. A New Chemotype of <i>Mentha aquatica</i> Containing Sesquiterpene Alcohols as Major Components. <i>Nippon Nogeikagaku Kaishi</i> 67(10): 1417-1419. |
| Mentha aquatica | Shoot | -- | -- | | Umemoto, K., Arai, T., Nii, H. and Furukawa, K. 1993. A New Chemotype of <i>Mentha aquatica</i> Containing Sesquiterpene Alcohols as Major Components. <i>Nippon Nogeikagaku Kaishi</i> 67(10): 1417-1419. |
| Mentha aquatica | Shoot | -- | -- | | Umemoto, K., Arai, T., Nii, H. and Furukawa, K. 1993. A New Chemotype of <i>Mentha aquatica</i> Containing Sesquiterpene Alcohols as Major Components. <i>Nippon Nogeikagaku Kaishi</i> 67(10): 1417-1419. |
| Mentha aquatica | Shoot | -- | -- | | Umemoto, K., Arai, T., Nii, H. and Furukawa, K. 1993. A New Chemotype of <i>Mentha aquatica</i> Containing Sesquiterpene Alcohols as Major Components. <i>Nippon Nogeikagaku Kaishi</i> 67(10): 1417-1419. |

| Plant | Part | Low PPM | High PPM | StdDev | Reference |
|--|---------------|---------|----------|----------------------|---|
| <i>Mentha arvensis</i> var. <i>piperascens</i> | Plant | -- | -- | | Guenther, E., The Essential Oils, 6 volumes, D. van Nostrand, New York, 1948-1952. |
| <i>Mentha longifolia</i> | Shoot | 0 | 385 | -0.0987549654618178 | -- |
| <i>Mentha pulegium</i> | Plant | 1 | 70 | -0.48608374240323066 | Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705. |
| <i>Mentha pulegium</i> | Shoot | -- | -- | | -- |
| <i>Mentha pulegium</i> | Essential Oil | 100 | 7000 | -0.483566600830156 | -- |
| <i>Mentha spicata</i> | Leaf | -- | -- | | Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980. |
| <i>Mentha spicata</i> | Essential Oil | -- | -- | | -- |
| <i>Mentha x piperita</i> | Leaf | 2 | 25 | -0.183243207929448 | Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705. |
| <i>Mentha x rotundifolia</i> | Leaf | 0 | 20 | -0.18513314196035818 | -- |
| <i>Micromeria congesta</i> | Leaf | 1 | 5 | -0.19080294405308876 | Kirimer, N., Ozek, T., and Baser, K.H.C. 1991. Composition of the Essential Oil of <i>Micromeria congesta</i> . <i>J. Ess. Oil Res.</i> , 3: 387-393. |
| <i>Micromeria croatica</i> | Leaf | 30 | 30 | -0.18135327389853784 | Kirimer, N., Ozek, T., and Baser, K.H.C. 1991. Composition of the Essential Oil of <i>Micromeria congesta</i> . <i>J. Ess. Oil Res.</i> , 3: 387-393. |
| <i>Micromeria dalmatica</i> | Leaf | 6 | 6 | -0.1904249572469067 | Kirimer, N., Ozek, T., and Baser, K.H.C. 1991. Composition of the Essential Oil of <i>Micromeria congesta</i> . <i>J. Ess. Oil Res.</i> , 3: 387-393. |
| <i>Micromeria fruticosa</i> | Leaf | 1 | 1 | -0.1923148912778169 | Kirimer, N., Ozek, T., and Baser, K.H.C. 1991. Composition of the Essential Oil of <i>Micromeria congesta</i> . <i>J. Ess. Oil Res.</i> , 3: 387-393. |

| Plant | Part | Low PPM | High PPM | StdDev | Reference |
|-----------------------|--------|---------|----------|-----------------------|---|
| Micromeria fruticosa | Shoot | 7 | 7 | -0.13363047733865357 | Fleisher, Z. and Fleisher, A. 1991. The Essential Oil of <i>Micromeria fruticosa</i> (L.) Druce subsp. <i>barbata</i> (Boiss et. Ky.), P.H. Davis. Aromatic Plants of the Holy Land and the Sinai. Part VII. J. Ess. Oil Res 3: 477-479. |
| Micromeria fruticosa | Shoot | -- | 7 | -0.13363047733865357 | Fleisher, Z. and Fleisher, A. 1991. The Essential Oil of <i>Micromeria fruticosa</i> (L.) Druce subsp. <i>barbata</i> (Boiss et. Ky.), P.H. Davis. Aromatic Plants of the Holy Land and the Sinai. Part VII. J. Ess. Oil Res 3: 477-479. |
| Micromeria juliana | Leaf | 25 | 25 | -0.183243207929448 | Kirimer, N., Ozek, T., and Baser, K.H.C. 1991. Composition of the Essential Oil of <i>Micromeria congesta</i> . J. Ess. Oil Res., 3: 387-393. |
| Micromeria myrtifolia | Shoot | 0.1 | 0.1 | -0.1342670938252942 | Ozek, T., Kirimer, N., and Baser, K.H.C. 1992. Composition of the Essential Oil of <i>Micromeria myrtifolia</i> Boiss. et Hohen. J. Ess. Oil Res., 4: 79-80. |
| Micromeria teneriffae | Leaf | 470 | 470 | -0.015039079178441665 | Kirimer, N., Ozek, T., and Baser, K.H.C. 1991. Composition of the Essential Oil of <i>Micromeria congesta</i> . J. Ess. Oil Res., 3: 387-393. |
| Micromeria thymifolia | Leaf | 1 | 1 | -0.1923148912778169 | Kirimer, N., Ozek, T., and Baser, K.H.C. 1991. Composition of the Essential Oil of <i>Micromeria congesta</i> . J. Ess. Oil Res., 3: 387-393. |
| Micromeria varia | Shoot | 6 | 6 | -0.133722740597587 | Pedro, L.G., et al. 1995. Composition of the Essential oil of <i>Micromeria varia</i> Benth. ssp. <i>thymoides</i> (Sol. ex Lowe) Perez var. <i>thymoides</i> , and endemic species of the Madeira Archipelago. flav. & Fragr. J. 10(3): 199-202. |
| Micromeria varia | Shoot | -- | 6 | -0.133722740597587 | -- |
| Monarda citriodora | Plant | 6 | 25 | -0.5630598619591108 | -- |
| Monarda clinopodia | Plant | 88 | 88 | -0.4552932945808786 | Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980. |
| Monarda didyma | Flower | 10 | 10 | -0.6881569624054215 | Flavour and Fragrance Journal, 6: 80. |

| Plant | Part | Low PPM | High PPM | StdDev | Reference |
|---------------------|------------------|---------|----------|----------------------|--|
| Monarda didyma | Leaf | 90 | 170 | -0.12843512103305268 | -- |
| Monarda didyma | Plant | 25 | 320 | -0.05843863375945202 | Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980. |
| Monarda fistulosa | Plant | 1 | 856 | 0.8584324791728094 | Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980. |
| Monarda lindheimeri | Plant | 21 | 21 | -0.5699021836974113 | Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980. |
| Monarda media | Plant | 15 | 231 | -0.21068029243663722 | Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980. |
| Monarda punctata | Plant | 10 | 1080 | 1.241602496517635 | -- |
| Murraya koenigii | Leaf | -- | 5 | -0.19080294405308876 | -- |
| Myrciaria dubia | Fruit | -- | -- | | -- |
| Myristica fragrans | Seed | 80 | 640 | 0.6230692441110584 | -- |
| Myristica fragrans | Essential Oil | 2000 | 4000 | -0.5737485608606457 | -- |
| Myristica fragrans | Seed Essent. Oil | 2000 | 4000 | -0.09681853268597942 | -- |
| Myristica fragrans | Leaf Essent. Oil | -- | -- | | -- |
| Myrtus communis | Plant | 8 | 30 | -0.5545069597862352 | -- |
| Nepeta racemosa | Shoot | 3 | 3 | -0.13399953037438728 | Baser, K.H.C., Ozek, T., Akgul, A. and Tumen, G. 1993. Composition of the Essential Oil of Nepeta racemosa Lam. J. Ess. Oil Res. 5: 215-7. |
| Nepeta racemosa | Shoot | -- | 3 | -0.13399953037438728 | Baser, K.H.C., Ozek, T., Akgul, A. and Tumen, G. 1993. Composition of the Essential Oil of Nepeta racemosa Lam. J. Ess. Oil Res. 5: 215-7. |

| Plant | Part | Low PPM | High PPM | StdDev | Reference |
|--------------------------|-------------------|---------|----------|----------------------|---|
| Ocimum basilicum | Plant | 0 | 400 | 0.07840780100655714 | Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705. |
| Ocimum basilicum | Leaf Essent. Oil | 300 | 900 | -0.8450720560025149 | -- |
| Ocimum basilicum | Shoot Essent. Oil | -- | 500 | -0.8123496252026575 | -- |
| Ocimum basilicum | Essential Oil | -- | 900 | -0.666936586225485 | -- |
| Ocimum canum | Shoot | -- | -- | | =ICMR(Indian Council of Medical Research).1976.Medicinal Plants of India.Vol.1.Indian Council of Med. Res.Cambridge Printing Works, New Delhi.487 pp;ICMR.1987.Medicinal Plants of India.Vol.2.Indian Council of Med. Res.Cambr. Printing Works,New Delhi.600pp |
| Ocimum gratissimum | Plant | 1 | 240 | -0.19528506852546118 | Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980. |
| Ocimum gratissimum | Shoot | 29 | 29 | -0.13160068564211816 | Vostrowsky, O., Garbe, W., Bestmann, H.J. and Maia, J.G.S. 1990. Essential Oil of Alfavaca, Ocimum gratissimum, from Brazilian Amazon. Zeitschr. Naturforschung 45(C): 1073-6. |
| Ocimum kilimandscharicum | Flower | 240 | 400 | 1.4140457687025239 | Charles, D.J., and Simon, J.E. 1992. Essential Oil Constituents of Ocimum killimandscharicum Guerke. J. Ess. Oil Res., 4: 125-128. |
| Ocimum kilimandscharicum | Leaf | 105 | 205 | -0.1152055828166814 | Charles, D.J., and Simon, J.E. 1992. Essential Oil Constituents of Ocimum killimandscharicum Guerke. J. Ess. Oil Res., 4: 125-128. |
| Ocimum tenuiflorum | Leaf | 65 | 65 | -0.16812373568216654 | Brophy, J.J., Goldsack, R.J., and Clarkson, J.R. 1993. The Essential Oil of Ocimum tenuiflorum L. (Lamiaceae) Growing in Northern Australia, J. Ess. Oil Res. 5: 459-461. |
| Oenanthe aquatica | Fruit | -- | -- | | -- |
| Oenanthe javanica | Shoot | -- | -- | | -- |

| Plant | Part | Low PPM | High PPM | StdDev | Reference |
|-----------------------|-------------|----------------|-----------------|----------------------|---|
| Origanum minutiflorum | Shoot | 65 | 150 | -0.12043683131117337 | Baser, K.H.C., Tumen, G., Sezik, E. 1991. The Essential Oil of <i>Origanum minutiflorum</i> O. Schwarz and P.H. Davis. <i>J. Ess. Oil Res.</i> 3: 445-446. |
| Origanum onites | Plant | 28 | 28 | -0.5579281206553854 | Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980. |
| Origanum onites | Shoot | 370 | 370 | -0.10013891434581922 | Biondi, D., Cianci, P., Geraci, C. and Ruberto, G. 1993. Antimicrobial Activity and Chemical Composition of Essential Oils from Sicilian Aromatic Plants. <i>Flav. & Frag. J.</i> 8: 331-7. |
| Origanum onites | Shoot | -- | 370 | -0.10013891434581922 | Biondi, D., Cianci, P., Geraci, C. and Ruberto, G. 1993. Antimicrobial Activity and Chemical Composition of Essential Oils from Sicilian Aromatic Plants. <i>Flav. & Frag. J.</i> 8: 331-7. |
| Origanum sipyleum | Shoot | 590 | 590 | -0.07984099738046507 | Baser, K.H.C., Ozek, T., Kurkcuoglu, M. and Tumen, G. 1992. Composition of the Essential Oil of <i>Origanum sipyleum</i> of Turkish Origin. <i>J. Ess. Oil Res.</i> 4: 139-142. |
| Origanum sipyleum | Shoot | -- | 25 | -0.13196973867785186 | Baser, K.H.C., Ozek, T., Kurkcuoglu, M. and Tumen, G. 1992. Composition of the Essential Oil of <i>Origanum sipyleum</i> of Turkish Origin. <i>J. Ess. Oil Res.</i> 4: 139-142. |
| Origanum sipyleum | Shoot | -- | 590 | -0.07984099738046507 | Baser, K.H.C., Ozek, T., Kurkcuoglu, M. and Tumen, G. 1992. Composition of the Essential Oil of <i>Origanum sipyleum</i> of Turkish Origin. <i>J. Ess. Oil Res.</i> 4: 139-142. |
| Origanum sipyleum | Shoot | -- | 20 | -0.132431054972519 | Baser, K.H.C., Ozek, T., Kurkcuoglu, M. and Tumen, G. 1992. Composition of the Essential Oil of <i>Origanum sipyleum</i> of Turkish Origin. <i>J. Ess. Oil Res.</i> 4: 139-142. |
| Origanum syriacum | Shoot | 40 | 40 | -0.13058578979385044 | Fleisher, A. & Fleisher, Z. 1991. Chemical Composition of <i>Origanum syriacum</i> L. Essential Oil. <i>J. Ess. Oil Res.</i> 3: 121-123. |
| Origanum syriacum | Shoot | -- | 25 | -0.13196973867785186 | Fleisher, A. & Fleisher, Z. 1991. Chemical Composition of <i>Origanum syriacum</i> L. Essential Oil. <i>J. Ess. Oil Res.</i> 3: 121-123. |

| Plant | Part | Low PPM | High PPM | StdDev | Reference |
|--------------------|-------------------|---------|----------|----------------------|--|
| Origanum syriacum | Shoot | -- | 40 | -0.13058578979385044 | Fleisher, A. & Fleisher, Z. 1991. Chemical Composition of Origanum syriacum L. Essential Oil. J. Ess. Oil Res. 3: 121-123. |
| Origanum vulgare | Plant | 1 | 1 | -0.6041137923889136 | Sezik, E., Tumen, G., Kirimer, N., Ozek, T., and Baser, K.H.C. 1993. Essential Oil Composition of Four Origanum vulgare Subspecies of Anatolian Origin. J. Ess. Oil Res., 5: 425-431. |
| Origanum vulgare | Shoot | 45 | 45 | -0.1301244734991833 | Lagouri, V., Blekas, G., Tsimidou, M., Kokkini, S., and Boskou, D. 1993. Composition and Antioxidant Activity of Essential Oils from Oregano Plants Grown Wild in Greece. Z. Lebensm Unters Forsch 197: 20-23. |
| Origanum vulgare | Plant | 60 | 60 | -0.5031895467489819 | Sezik, E., Tumen, G., Kirimer, N., Ozek, T., and Baser, K.H.C. 1993. Essential Oil Composition of Four Origanum vulgare Subspecies of Anatolian Origin. J. Ess. Oil Res., 5: 425-431. |
| Origanum vulgare | Plant | 1 | 1 | -0.6041137923889136 | Sezik, E., Tumen, G., Kirimer, N., Ozek, T., and Baser, K.H.C. 1993. Essential Oil Composition of Four Origanum vulgare Subspecies of Anatolian Origin. J. Ess. Oil Res., 5: 425-431. |
| Origanum vulgare | Plant | 0.5 | 0.5 | -0.6049690826062011 | Sezik, E., Tumen, G., Kirimer, N., Ozek, T., and Baser, K.H.C. 1993. Essential Oil Composition of Four Origanum vulgare Subspecies of Anatolian Origin. J. Ess. Oil Res., 5: 425-431. |
| Origanum vulgare | Plant | 1 | 64 | -0.49634722501068135 | Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980. |
| Origanum vulgare | Shoot Essent. Oil | 1500 | 10500 | -0.15055766984407706 | -- |
| Origanum vulgare | Essential Oil | -- | 5100 | -0.5406818421827995 | -- |
| Pastinaca sativa | Root | -- | -- | | -- |
| Perilla frutescens | Shoot Essent. Oil | -- | 2000 | -0.7130808318988705 | Nguyen, X. D., La, D. M., Lu'u, D. C., Leclercq, P. A. 1995. Essential Oil Constituents from the Aerial Parts of Perilla frutescens (L.) Britton. J. Essent. Oil Res., 7(4): 429-432. |

| Plant | Part | Low PPM | High PPM | StdDev | Reference |
|----------------------|---------------------|---------|----------|----------------------|--|
| Petroselinum crispum | Leaf | 0.24 | 0.24 | -0.19260216125051532 | -- |
| Petroselinum crispum | Seed | 3 | 490 | 0.10432519258473769 | -- |
| Petroselinum crispum | Fruit | -- | -- | | -- |
| Petroselinum crispum | Seed Essent. Oil | -- | 5000 | 0.29045559805793825 | -- |
| Petroselinum crispum | Fruit Essent. Oil | 7000 | 20800 | 1.3574673725411264 | -- |
| Peumus boldus | Leaf | 30 | 150 | -0.1359948571566934 | -- |
| Pimpinella anisum | Fruit | -- | 119 | -0.30245730401923043 | -- |
| Pimpinella anisum | Seed | 119 | 119 | -1.1787017615236954 | -- |
| Pimpinella anisum | Essential Oil | -- | -- | | -- |
| Pinus elliottii | Leaf | -- | -- | | CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses |
| Pinus insularis | Resin, Exudate, Sap | 10000 | 20000 | -0.7071067811865472 | ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes. |
| Pinus kesiya | Resin, Exudate, Sap | 10000 | 20000 | -0.7071067811865472 | ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes. |
| Pinus mugo | Leaf | -- | -- | | Leung, A.Y., Encyclopedia of Common Natural Ingredients Used in Food, Drugs, and Cosmetics, John Wiley & Sons, New York, 1980. |
| Pinus palustris | Resin, Exudate, Sap | -- | -- | | Leung, A.Y., Encyclopedia of Common Natural Ingredients Used in Food, Drugs, and Cosmetics, John Wiley & Sons, New York, 1980. |
| Pinus roxburghii | Resin, Exudate, Sap | 12000 | 55000 | 1.414213562373095 | ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes. |

| Plant | Part | Low PPM | High PPM | StdDev | Reference |
|--------------------------------|-------------------------|---------|----------|----------------------|---|
| <i>Pinus sylvestris</i> | Resin, Exudate, Sap | -- | -- | | -- |
| <i>Pinus sylvestris</i> | Essential Oil | -- | -- | | -- |
| <i>Pinus sylvestris</i> | Leaf Essent. Oil | -- | 35000 | 0.3677628391862796 | -- |
| <i>Piper auritum</i> | Leaf | -- | -- | | Tramil |
| <i>Piper nigrum</i> | Fruit | -- | 120 | -0.3020426178192843 | -- |
| <i>Piper nigrum</i> | Fruit Essent. Oil | 1000 | 1400 | -1.0221892865520528 | -- |
| <i>Piper nigrum</i> | Seed Essent. Oil | -- | -- | | -- |
| <i>Pogostemon cablin</i> | Plant | -- | -- | | -- |
| <i>Psidium guajava</i> | Pericarp Essent. Oil | -- | -- | | -- |
| <i>Ptychopetalum olacoides</i> | Root Essent. Oil | -- | 66000 | 1 | Uber Bucek, E., Fournier, G., Dadoun, H. 1987. Volatile Constituents of <i>Ptychopetalum olacoides</i> Root Oil. <i>Planta Med.</i> 53, 2: 231. |
| <i>Pycnanthemum beadlei</i> | Shoot | 7 | 7 | -0.13363047733865357 | Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980. |
| <i>Pycnanthemum curvipes</i> | Shoot | -- | -- | | Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980. |
| <i>Pycnanthemum loomisii</i> | Shoot | 330 | 1260 | -0.01802461389506835 | Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980. |
| <i>Pycnanthemum montanum</i> | Shoot | 833 | 952 | -0.04644169764656416 | Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980. |

| Plant | Part | Low PPM | High PPM | StdDev | Reference |
|--------------------------|---------------|----------------|-----------------|-----------------------|--|
| Pycnanthemum muticum | Shoot | 1 | 50 | -0.12966315720451616 | Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980. |
| Pycnanthemum setosum | Shoot | 20 | 31 | -0.1314161591242513 | Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980. |
| Pycnanthemum tenuifolium | Shoot | 2 | 420 | -0.09552575139914782 | Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980. |
| Pycnanthemum torreyi | Shoot | 10 | 10 | -0.13335368756185328 | Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980. |
| Pycnanthemum virginianum | Shoot | 6 | 87 | -0.12624941662397934 | Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980. |
| Ribes nigrum | Fruit | -- | -- | | List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979. |
| Rosa damascena | Essential Oil | -- | -- | | -- |
| Rosmarinus eriocalyx | Shoot | 735 | 1375 | -0.007414339117724136 | Soriano Cano, M.C., Sotomayor Sanchez, J.A., Sanchez Gomez, P. and Garcia Vallejo, M.C. 1993. Essential Oils of the Rosmarinus eriocalyx-tomentosus Complex in Southeast Spain. J. Ess. Oil Res. 5: 243-246. |
| Rosmarinus eriocalyx | Shoot | 735 | 1375 | -0.007414339117724136 | Soriano Cano, M.C., Sotomayor Sanchez, J.A., Sanchez Gomez, P. and Garcia Vallejo, M.C. 1993. Essential Oils of the Rosmarinus eriocalyx-tomentosus Complex in Southeast Spain. J. Ess. Oil Res. 5: 243-246. |
| Rosmarinus officinalis | Leaf | 23 | 23 | -0.18399918154181208 | Soliman, F.M., El-Kashoury, M.M., Fathy, M.M. and Gonaid, M.H. 1994. Analysis and Biological Activity of the Essential Oil of Rosmarinus officinalis L. from Egypt. Flavour and Fragrance J. 9: 29-33. |
| Rosmarinus officinalis | Leaf | -- | 23 | -0.18399918154181208 | Soliman, F.M., El-Kashoury, M.M., Fathy, M.M. and Gonaid, M.H. 1994. Analysis and Biological Activity of the Essential Oil of Rosmarinus officinalis L. from Egypt. Flavour and Fragrance J. 9: 29-33. |
| Rosmarinus officinalis | Plant | 23 | 2350 | 3.414039648428031 | -- |

| Plant | Part | Low PPM | High PPM | StdDev | Reference |
|----------------------------|---------------------|---------|----------|------------------------|--|
| Rosmarinus officinalis | Shoot | -- | 335 | -0.1033681284084892 | Tucker, A. O. and Maciarello, M. J. 1998. The essential oils of some rosemary cultivars. Flavor and Fragrance Journal, 1: 137-142. 1986. |
| Rosmarinus officinalis | Shoot | 355 | 1435 | -0.0018785435817184589 | Soriano Cano, M.C., Sotomayor Sanchez, J.A., Sanchez Gomez, P. and Garcia Vallejo, M.C. 1993. Essential Oils of the Rosmarinus eriocalyx-tomentosus Complex in Southeast Spain. J. Ess. Oil Res. 5: 243-246. |
| Rosmarinus officinalis | Shoot | 1035 | 2280 | 0.07608391021702815 | Soriano Cano, M.C., Sotomayor Sanchez, J.A., Sanchez Gomez, P. and Garcia Vallejo, M.C. 1993. Essential Oils of the Rosmarinus eriocalyx-tomentosus Complex in Southeast Spain. J. Ess. Oil Res. 5: 243-246. |
| Rosmarinus officinalis | Essential Oil | 40000 | 106000 | 2.4924380801760044 | -- |
| Rosmarinus officinalis | Leaf Essent. Oil | -- | 85000 | 2.146113125386858 | -- |
| Rosmarinus officinalis | Shoot Essent. Oil | -- | 38100 | 1.6759881269456052 | -- |
| Rosmarinus officinalis | Resin, Exudate, Sap | -- | -- | | -- |
| Rosmarinus tomentosus | Shoot | 590 | 960 | -0.045703591575096736 | Soriano Cano, M.C., Sotomayor Sanchez, J.A., Sanchez Gomez, P. and Garcia Vallejo, M.C. 1993. Essential Oils of the Rosmarinus eriocalyx-tomentosus Complex in Southeast Spain. J. Ess. Oil Res. 5: 243-246. |
| Rosmarinus x lavandulaceus | Shoot | 210 | 1245 | -0.019408562779069768 | Soriano Cano, M.C., Sotomayor Sanchez, J.A., Sanchez Gomez, P. and Garcia Vallejo, M.C. 1993. Essential Oils of the Rosmarinus eriocalyx-tomentosus Complex in Southeast Spain. J. Ess. Oil Res. 5: 243-246. |
| Rosmarinus x mendizabalii | Shoot | 430 | 605 | -0.07845704849646365 | Soriano Cano, M.C., Sotomayor Sanchez, J.A., Sanchez Gomez, P. and Garcia Vallejo, M.C. 1993. Essential Oils of the Rosmarinus eriocalyx-tomentosus Complex in Southeast Spain. J. Ess. Oil Res. 5: 243-246. |

| Plant | Part | Low PPM | High PPM | StdDev | Reference |
|----------------------------|------------------|---------|----------|----------------------|--|
| <i>Salvia canariensis</i> | Leaf | 575 | 575 | 0.024649535470672192 | Casnigueral,S., Iglesias,J., Vila,R., Virgili,A. and Ibanez,C.1994. The Essential Oil from Leaves of <i>Salvia canariensis</i> L. Flav. & Frag. J. 9:201-204. S. Canigueral, Facultat de Farmacia, Universitat de Barcelona, Ave.Diagonal 643,E-08028, Barcelone Spain |
| <i>Salvia dorisiana</i> | Shoot | 0.8 | 1 | -0.13418405689225413 | Tucker, A.O. & Maciarello, M.J. 1994. The Essential Oil of <i>Salvia dorisiana</i> Standley. J. Ess. Oil Res. 6: 97-8. |
| <i>Salvia gilliesii</i> | Shoot | 3.5 | 3.5 | -0.13395339874492057 | Velasco-Negueruela, A. et al. 1993. The Essential Oil of <i>Salvia gilliesii</i> Benth. J. Ess. Oil Res. 5: 319-320. |
| <i>Salvia officinalis</i> | Leaf | 20 | 18592 | 6.834837822452428 | -- |
| <i>Salvia officinalis</i> | Leaf Essent. Oil | 28000 | 66400 | 1.484566818920243 | -- |
| <i>Salvia officinalis</i> | Essential Oil | 30200 | 60700 | 1.1306904837156095 | -- |
| <i>Salvia officinalis</i> | Et | -- | 47000 | | -- |
| <i>Salvia sclarea</i> | Plant | -- | -- | | Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980. |
| <i>Salvia triloba</i> | Plant | 170 | 1200 | 1.4468721486666487 | -- |
| <i>Sassafras albidum</i> | Leaf | -- | 0 | -0.19269287808399893 | -- |
| <i>Satureja cilicica</i> | Shoot | 60 | 60 | -0.12874052461518187 | Tumen, G. Baser, K.H.C. and Kirimer, N. 1993. The Essential Oil of <i>Satureja cilicica</i> P.H. Davis. J. Ess. Oil Res. 5: 547-548. |
| <i>Satureja cuneifolia</i> | Shoot | 145 | 145 | -0.12089814760584051 | Tumen, G. 1991. The Volatile Constituents of <i>Satureja cuneifolia</i> . J. Ess. Oil Res., 3: 365-366. |
| <i>Satureja douglasii</i> | Plant | 1183 | 2795 | 4.175247941813957 | Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980. |

| Plant | Part | Low PPM | High PPM | StdDev | Reference |
|---------------------|---------------|---------|----------|-----------------------|--|
| Satureja hortensis | Plant | -- | -- | | List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979. |
| Satureja montana | Plant | 2 | 85 | -0.46042503588460393 | -- |
| Satureja montana | Essential Oil | -- | 3100 | -0.6008031488697926 | -- |
| Satureja obovata | Leaf | 170 | 170 | -0.12843512103305268 | Arrebola, M.L., Navaro, M.C., Jimenez, J. and Ocana, F.A. 1994. Variations in Yield and Composition of the Essential Oil of Satureja obovata. Phytochemistry 35(1): 83. |
| Satureja obovata | Leaf | -- | 520 | 0.003860261130660172 | Arrebola, M.L., Navaro, M.C., Jimenez, J. and Ocana, F.A. 1994. Variations in Yield and Composition of the Essential Oil of Satureja obovata. Phytochemistry 35(1): 83. |
| Satureja obovata | Leaf | -- | 130 | -0.14355459328033415 | Arrebola, M.L., Navaro, M.C., Jimenez, J. and Ocana, F.A. 1994. Variations in Yield and Composition of the Essential Oil of Satureja obovata. Phytochemistry 35(1): 83. |
| Satureja obovata | Leaf | -- | 170 | -0.12843512103305268 | Arrebola, M.L., Navaro, M.C., Jimenez, J. and Ocana, F.A. 1994. Variations in Yield and Composition of the Essential Oil of Satureja obovata. Phytochemistry 35(1): 83. |
| Satureja obovata | Shoot | 850 | 1305 | -0.013872767243064093 | Fitoterapia No.60: 277. |
| Satureja odora | Shoot | 18 | 18 | -0.13261558149038585 | Zygadlo, J.A., Merino. E.F., Maestri, D.M., Guzman, C.A. and Espinar, L.A. 1993. The Essential Oils of Satureja odora and Satureja parvifolia from Argentina. J. Ess. Oil Res. 5: 549-51. |
| Satureja parvifolia | Shoot | 19 | 19 | -0.13252331823145244 | Zygadlo, J.A., Merino. E.F., Maestri, D.M., Guzman, C.A. and Espinar, L.A. 1993. The Essential Oils of Satureja odora and Satureja parvifolia from Argentina. J. Ess. Oil Res. 5: 549-51. |
| Satureja subspicata | Plant | 4 | 4 | -0.5989820510851882 | Stanic, G., Petricic, J., and Blazevic, N. 1991. Gas Chromatographic Investigations of Essential Oils of Satureja montana and Satureja subspicata from Yugoslavia. J. Ess. Oil Res., 3: 153-158. |

| Plant | Part | Low PPM | High PPM | StdDev | Reference |
|-----------------------|-------------------|---------|----------|----------------------|--|
| Satureja thymbra | Shoot | 150 | 150 | -0.12043683131117337 | Lagouri, V., Blekas, G., Tsimidou, M., Kokkini, S., and Boskou, D. 1993. Composition and Antioxidant Activity of Essential Oils from Oregano Plants Grown Wild in Greece. Z. Lebensm Unters Forsch 197: 20-23. |
| Saussurea lappa | Root Essent. Oil | -- | -- | | -- |
| Schinus molle | Fruit | -- | -- | | -- |
| Sideritis athoa | Shoot | 2 | 2 | -0.13409179363332072 | Ozek, T., Baser, K.H.C. and Tumen, G. 1993. The Essential Oil of Sideritis athoa Papanikolaou Et Kokkini. J. Ess. Oil Res. 5: 669-670. |
| Sideritis mugronensis | Flower | 2 | 3 | -0.7258888062971025 | Manez, S., Jimenez, A., and Villar, A. 1991. Volatiles of Sideritis mugronensis Flower and Leaf. J. Ess. Oil Res., 3: 395-397. |
| Sideritis mugronensis | Leaf | 0.5 | 1 | -0.1923148912778169 | Manez, S., Jimenez, A., and Villar, A. 1991. Volatiles of Sideritis mugronensis Flower and Leaf. J. Ess. Oil Res., 3: 395-397. |
| Sideritis pauli | Shoot | 6 | 6 | -0.133722740597587 | Burzaco, A., Velasco-Negueruela, A. and Perez-Alonso, M.J. 1992. Essential Oil Analysis of Sideritis pauli Pau. FFJ7: 47-8. 1992. |
| Tagetes filifolia | Shoot | -- | -- | | -- |
| Tagetes minuta | Essential Oil | -- | -- | | -- |
| Tanacetum parthenium | Shoot | -- | 95 | -0.1255113105525119 | Hendriks, H., Bos, R., and Woerdenbag, H. J. 1996. The Essential Oil of Tanacetum parthenium (L.) Schultz-Bip. Flavor and Fragrance Journal 11(6): 367-71. |
| Tanacetum parthenium | Fruit Essent. Oil | -- | 7000 | -0.3352780859890732 | -- |
| Tanacetum parthenium | Essential Oil | -- | 54000 | 0.9292841063141826 | -- |
| Tanacetum parthenium | Leaf Essent. Oil | -- | 30000 | 0.1899278105662218 | -- |

| Plant | Part | Low PPM | High PPM | StdDev | Reference |
|----------------------------------|-------|---------|----------|----------------------|--|
| <i>Teucrium asiaticum</i> | Shoot | -- | -- | | Velasco-Negueruela, A. and Perez-Alonso, M.J. 1990. The Volatiles of Six <i>Teucrium</i> Species from the Iberian Peninsula and the Balearic Islands. <i>Phytochemistry</i> 29(4): 1165-9. |
| <i>Teucrium cyprium</i> | Leaf | 0 | 0 | -0.19269287808399893 | Arnold, N., Bellomaria, B., Valentini G. and Rafaiani, S.M. 1991. Comparative Study on Essential Oil of Some <i>Teucrium</i> Species from Cyprus. <i>J. Ethnopharm.</i> 35: 105-113. |
| <i>Teucrium divaricatum</i> | Leaf | 3 | 3 | -0.19155891766545283 | Arnold, N., Bellomaria, B., Valentini G. and Rafaiani, S.M. 1991. Comparative Study on Essential Oil of Some <i>Teucrium</i> Species from Cyprus. <i>J. Ethnopharm.</i> 35: 105-113. |
| <i>Teucrium kotschyanum</i> | Leaf | 0 | 0 | -0.19269287808399893 | Arnold, N., Bellomaria, B., Valentini G. and Rafaiani, S.M. 1991. Comparative Study on Essential Oil of Some <i>Teucrium</i> Species from Cyprus. <i>J. Ethnopharm.</i> 35: 105-113. |
| <i>Teucrium micropodioides</i> | Leaf | 8 | 8 | -0.18966898363454263 | Arnold, N., Bellomaria, B., Valentini G. and Rafaiani, S.M. 1991. Comparative Study on Essential Oil of Some <i>Teucrium</i> Species from Cyprus. <i>J. Ethnopharm.</i> 35: 105-113. |
| <i>Teucrium oxylepis</i> | Shoot | 0.2 | 0.2 | -0.1342578674994008 | Velasco-Negueruela, A. and Perez-Alonso, M.J. 1990. The Volatiles of Six <i>Teucrium</i> Species from the Iberian Peninsula and the Balearic Islands. <i>Phytochemistry</i> 29(4): 1165-9. |
| <i>Teucrium oxylepis</i> | Shoot | 0.39 | 0.39 | -0.1342403374802036 | Velasco-Negueruela, A. and Perez-Alonso, M.J. 1990. The Volatiles of Six <i>Teucrium</i> Species from the Iberian Peninsula and the Balearic Islands. <i>Phytochemistry</i> 29(4): 1165-9. |
| <i>Teucrium pseudoscorodonia</i> | Shoot | 0.1 | 0.1 | -0.1342670938252942 | Velasco-Negueruela, A. and Perez-Alonso, M.J. 1990. The Volatiles of Six <i>Teucrium</i> Species from the Iberian Peninsula and the Balearic Islands. <i>Phytochemistry</i> 29(4): 1165-9. |
| <i>Teucrium salviastrum</i> | Shoot | -- | -- | | Velasco-Negueruela, A. and Perez-Alonso, M.J. 1990. The Volatiles of Six <i>Teucrium</i> Species from the Iberian Peninsula and the Balearic Islands. <i>Phytochemistry</i> 29(4): 1165-9. |

| Plant | Part | Low PPM | High PPM | StdDev | Reference |
|-----------------------------|----------|---------|----------|----------------------|---|
| <i>Teucrium scorodonia</i> | Shoot | 0.05 | 0.05 | -0.13427170698824095 | Velasco-Negueruela, A. and Perez-Alonso, M.J. 1990. The Volatiles of Six <i>Teucrium</i> Species from the Iberian Peninsula and the Balearic Islands. <i>Phytochemistry</i> 29(4): 1165-9. |
| <i>Thuja occidentalis</i> | Branches | -- | -- | | -- |
| <i>Thymus broussonettii</i> | Shoot | 20 | 20 | -0.132431054972519 | Tantaoui-Elaraki, A., Lattaoui, N., Errifi, A. and Benjilali, B. 1993. Composition and Antimicrobial Activity of the Essential Oils of <i>Thymus broussonettii</i> , <i>T. zygis</i> and <i>T. saturejoides</i> . <i>J. Ess. Oil Res.</i> 5: 45-53. |
| <i>Thymus capitatus</i> | Plant | 10 | 10 | -0.5887185684777375 | Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980. |
| <i>Thymus capitatus</i> | Shoot | 7 | 7 | -0.13363047733865357 | Biondi, D., Cianci, P., Geraci, C. and Ruberto, G. 1993. Antimicrobial Activity and Chemical Composition of Essential Oils from Sicilian Aromatic Plants. <i>Flav. & Fragr. J.</i> 8: 331-7. |
| <i>Thymus funkii</i> | Shoot | 470 | 470 | -0.09091258845247643 | Vila, R., et al. 1995. Composition and study of the variability of the essential oil of <i>Thymus funkii</i> Cousson. <i>Flav. & Fragr. J.</i> 10(6): 379-383. |
| <i>Thymus funkii</i> | Shoot | -- | 470 | -0.09091258845247643 | Vila, R., et al. 1995. Composition and study of the variability of the essential oil of <i>Thymus funkii</i> Cousson. <i>Flav. & Fragr. J.</i> 10(6): 379-383. |
| <i>Thymus longicaulis</i> | Shoot | 8 | 8 | -0.13353821407972014 | Baser, K.H.C., Ozek, T., Kirimer, N. and Tumen, G. 1993. The Occurrence of Three Chemotypes of <i>Thymus longicaulis</i> C. Presl subsp. <i>longicaulis</i> in the same Population. <i>J. Ess. Oil Res.</i> 5: 291-5. |
| <i>Thymus longicaulis</i> | Shoot | -- | 40 | -0.13058578979385044 | Baser, K.H.C., Ozek, T., Kirimer, N. and Tumen, G. 1993. The Occurrence of Three Chemotypes of <i>Thymus longicaulis</i> C. Presl subsp. <i>longicaulis</i> in the same Population. <i>J. Ess. Oil Res.</i> 5: 291-5. |
| <i>Thymus longicaulis</i> | Shoot | -- | 3 | -0.13399953037438728 | Baser, K.H.C., Ozek, T., Kirimer, N. and Tumen, G. 1993. The Occurrence of Three Chemotypes of <i>Thymus longicaulis</i> C. Presl subsp. <i>longicaulis</i> in the same Population. <i>J. Ess. Oil Res.</i> 5: 291-5. |
| <i>Thymus mastichina</i> | Plant | 20 | 140 | -0.36634311198297265 | Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980. |

| Plant | Part | Low PPM | High PPM | StdDev | Reference |
|------------------------------|---------------|---------|----------|----------------------|---|
| <i>Thymus orospedanus</i> | Plant | 578 | 578 | 0.38289111836092754 | J. Nat. Prod. |
| <i>Thymus riatarum</i> | Shoot | 275 | 275 | -0.10890392394449487 | Iglesias, J., Vila, R., Canigueral, S., Bellakdhar, and Il Idrissi, A. 1991. Analysis of the Essential Oil of <i>Thymus riatarum</i> . J. Ess. Oil Res. 3: 43-4. |
| <i>Thymus saturejoides</i> | Shoot | 2740 | 2740 | 0.11852500932640501 | Tantaoui-Elaraki, A., Lattaoui, N., Errifi, A. and Benjlali, B. 1993. Composition and Antimicrobial Activity of the Essential Oils of <i>Thymus broussonettii</i> , <i>T. zygis</i> and <i>T. saturejoides</i> . J. Ess. Oil Res. 5: 45-53. |
| <i>Thymus serpyllum</i> | Plant | 1 | 19 | -0.5733233445665615 | -- |
| <i>Thymus vulgaris</i> | Plant | 15 | 375 | 0.03564329014217928 | -- |
| <i>Thymus vulgaris</i> | Essential Oil | -- | 4100 | -0.5707424955262961 | -- |
| <i>Thymus x citriodorus</i> | Plant | 80 | 80 | -0.4689779380574795 | Stahl-Biskup, E. and Holthuijen, J. 1995. Essential oil and glycosidally bound volatiles of lemon-scented thyme, <i>Thymus x citriodorus</i> (Pers.) Schreb. Flav. & Fragr. J. 10: 225-229. |
| <i>Thymus zygis</i> | Shoot | 90 | 550 | -0.08353152773780219 | De Cunha, A.P. and Salguero, L.R. 1991. The Chemical Polymorphism of <i>Thymus zygis</i> ssp. <i>sylvestris</i> from Central Portugal. J. Ess. Oil Res. 3: 409-12. |
| <i>Thymus zygis</i> | Shoot | 0.1 | 0.1 | -0.1342670938252942 | Jimenez, J., Navarro, M.C., Montilla, M.P., Martin, A. and Martinez, A. 1993. <i>Thymus zygis</i> Oil: Its Effects on CCl4-Induced Hepatotoxicity and Free Radical Scavenger Activity. JE05: 153-8. |
| <i>Thymus zygis</i> | Shoot | -- | -- | | Jimenez, J., Navarro, M.C., Montilla, M.P., Martin, A. and Martinez, A. 1993. <i>Thymus zygis</i> Oil: Its Effects on CCl4-Induced Hepatotoxicity and Free Radical Scavenger Activity. JE05: 153-8. |
| <i>Trachyspermum ammi</i> | Fruit | 150 | 252 | -0.24730403942640428 | -- |
| <i>Valeriana officinalis</i> | Root | 3 | 65 | -0.7900657071763403 | -- |
| <i>Valeriana officinalis</i> | Essential Oil | -- | -- | | -- |

| Plant | Part | Low PPM | High PPM | StdDev | Reference |
|-----------------------|------------------------|----------------|-----------------|----------------------|---|
| Valeriana officinalis | Rhizome Essent. Oil | -- | -- | | -- |
| Valeriana officinalis | Root Essent. Oil | -- | -- | | -- |
| Valeriana officinalis | Leaf Essent. Oil | -- | 5000 | -0.6992473325340675 | -- |
| Valeriana officinalis | Leaf | 0 | 130 | -0.14355459328033415 | Father Nature's Farmacy: The aggregate of all these three-letter citations. |
| Vitex agnus-castus | Leaf | 0.2 | 14 | -0.18740106279745042 | -- |
| Zingiber officinale | Rhizome | -- | 3080 | 1 | -- |
| Zingiber officinale | Rhizome Essent. Oil | -- | 126000 | | -- |
| Zingiber officinale | Essential Oil | -- | -- | | -- |